

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/16/99

Date Received: 03/04/99

Project: Metro Self Monitor, PO# M61548

Date Samples Extracted: 03/12/99

Date Extracts Analyzed: 03/12/99

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR CHROMIUM, COPPER, NICKEL, ZINC
USING METHOD 6010**

Samples Processed Using Method 3005A

Results Reported as mg/L (ppm)

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M61548	0.76	0.65	0.89	0.07
Method Blank	<0.05	<0.05	<0.05	<0.05

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QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 903076-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.22	0.24	9	0-20
Copper	mg/L (ppm)	0.28	0.32	13	0-20
Nickel	mg/L (ppm)	0.30	0.32	6	0-20
Zinc	mg/L (ppm)	0.16	0.18	12	0-20

Laboratory Code: 903076-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	0.22	98	99	80-120	1
Copper	mg/L (ppm)	5	0.28	97	98	80-120	1
Nickel	mg/L (ppm)	10	0.30	96	98	80-120	2
Zinc	mg/L (ppm)	5	0.16	100	102	80-120	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	104	104	80-120	0
Copper	mg/L (ppm)	5	102	104	80-120	2
Nickel	mg/L (ppm)	10	104	105	80-120	1
Zinc	mg/L (ppm)	5	105	107	80-120	2

903034

mm 34 94
BI,

BI,

Company Alaskan Copper Works Contact Kenan Thompson
Address 628 Highland St.
City, State, Zip Seattle WA 98134
Phone # (206) 382-8379 FAX # (206) 382-4309 Date 3-4-98

PURCHASE ORDER #



SAMPLERS (signature)

PROJECT LOCATION

REMARKS

SAMPLE DISPOSAL INFORMATION

☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	Gerald Thompson	ACW	3/4/99	12:50
Received by: 	SCOTT A. DUBBLE	F&B, INC	3/4/99	12:50
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

March 16, 1999

DUPLICATE COPY

INVOICE #99ACU0316-2

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M61548: Results of testing requested
by Gerry Thompson for material submitted on March 4, 1999.

1 water sample analyzed for
Chromium, Copper, Nickel, and Zinc
using Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID (b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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TEL: (206) 285-8282
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March 16, 1999

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

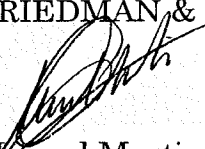
Dear Mr. Thompson:

Included are the results from the testing of material submitted on March 4, 1999 from your Metro Self Monitor, PO# M61548 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Manuel Marti
Project Manager

Enclosures
ACU0316R.DOC